

# SAFETY DATA SHEET

Issue Date: May 22, 2018.

Revision Date: August 25, 2020.

## SECTION 1 - COMPANY AND PRODUCT IDENTIFICATION

- 1.1 Product Name:** CHELENE 451 PX
- 1.2 Company Identification:** Clarke Minerals LLC  
1700 66<sup>th</sup> Street North  
Suite 104-1028  
St. Petersburg, FL 33710.  
(863) 868-0088
- 1.3 Emergency Phone Number:** CHEMTREC (24 hours every day): 1-800-424-9300

## SECTION 2 - HAZARDS IDENTIFICATION

**Appearance:** *White Crystalline Powder that causes little or no known hazards*

**Potential Health Effects:**

**Skin:** May cause irritation

**Eye:** May cause eye irritation

**Inhalation:** May cause irritation to the upper respiratory tract

**Ingestion:** Not hazardous in normal industrial use

**Carcinogenic Effects:** Not listed under OSHA, IARC, or NTP

**GHS Classification**

Acute toxicity - Oral Category 4  
Acute toxicity – Inhalation (Vapors) Category 4  
Serious eye damage/eye irritation Category 1

## Label Elements

### Symbols/Pictograms



### Signal Word

Danger

### Hazard Statements

Harmful if swallowed

Harmful if inhaled

Causes serious eye damage

### Precautionary Statements

#### Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Use only outdoors or in a well-ventilated area

Wear eye/face protection

#### Response

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Immediately call a POISON CENTER or doctor/physician

#### Storage

None

#### Disposal

Dispose of waste product or used containers according to local regulations.

### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Chemical Formula	CAS #
Tetrasodium EDTA	$C_{10}H_{16}N_2O_8 \cdot 4Na$	64-02-8

### SECTION 4 - FIRST AID MEASURES

**Skin Contact:**

Wash off skin with plenty of soap and water

**Eye Contact:**

Flush eyes with plenty of water for at least 15 mins, occasionally lifting the upper and lower lids until no evidence of chemical remains. Get medical aid at once.

**Inhalation:** Move victim to fresh air. Keep victim warm and at rest.

**Ingestion:** Wash out mouth, then dilute by drinking several glasses of water

### SECTION 5 – FIRE AND EXPLOSION DATA

**Flammability of the Product:** Non-flammable

**Auto-Ignition Temperature:** N/A

**Flash Points:** N/A

**Upper Flammable Limit:** N/A

**Lower Flammable Limit:** N/A

**Hazardous Combustion Products:** N/A

**Unusual Fire Explosion Data:** N/A

**Special Remarks on Fire Hazards:** Use fire-fighting procedure that is appropriate to treat surrounding fire

**Specific hazards arising from the chemical:** Thermal decomposition can lead to release of irritating and toxic gases and vapors

**Protective equipment and precautions for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

**General Information:** Use proper personal protective equipment as indicated in Section 8

**Spills/Leaks:** Contain spill, sweep up material and place into a suitable disposal container. Clean up spills immediately. Avoid runoff into storm sewers and ditches which lead to waterways.

## SECTION 7 - HANDLING AND STORAGE

**Handling Procedures and Equipment:** Wash thoroughly after handling. Avoid breathing dust. Avoid contact with eyes and skin. Wear suitable protective clothing. If ingested, seek medical advice immediately. Use proper personal protective equipment as indicated in Section 8

**Storage Requirements:** Store in a cool, dry area away from other incompatible materials. Product is slightly hygroscopic and should be stored so as to avoid moisture pickup and caking.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Limits:

ACGIH TLV: 10 mg/m<sup>3</sup> OSHA PEL (Total): 15 mg/m<sup>3</sup> OSHA PEL (Respirable): 5 mg/m<sup>3</sup>

### Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eye wash facility and a safety shower. Use adequate general or local exhaust ventilation to keep dust concentrations below the permissible exposure limits above.

### Personal Protective Equipment:

**Eye:** No contact lenses while working with chemicals. Eye wash fountain must be available. Wear appropriate eyeglasses or safety goggles described in 29 CFR 1910.133.

**Skin:** Wear appropriate protective clothing such as neoprene gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing such as gloves to prevent skin exposure.

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use NIOSH/MSHA approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

**Work/Hygienic Practices:** Do not leave food or smoke in work area. Wash thoroughly and remove or clean any contaminated clothing.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Solid Powder

**Odor and Appearance:** Odorless White Powder

**Odor Threshold:** N/A

**Boiling Point:** N/A

**Freezing Point:** N/A

**Melting Point:** N/A

**Critical Temperature:** N/A

**Evaporation Rate:** N/A

**PH:** 11.5 @ 1% solution

**Solubility in Water:** soluble in water.

## SECTION 10 - STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal temperatures and pressures  
**Incompatibility with other substances:** Somewhat reactive with oxidizing acids  
**Hazardous Decomposition Products:** Oxides of carbon and nitrogen  
**Polymerization:** Will not occur  
**Keep away from:** None Known

## SECTION 11 - TOXICOLOGICAL INFORMATION

-Cancer Lists

---NIP Carcinogen---

Ingredient	Known	Anticipated	IARC Category
Ethylenediaminetetraacetic Acid	No	No	None

### Acute toxicity

0.6~1% of the mixture consists of ingredient(s) of unknown toxicity.

**Serious eye damage/eye irritation:** Causes serious eye damage

## SECTION 12 - ECOLOGICAL INFORMATION

**Environmental Fate:** No information found  
**Environmental Toxicity:** No information found

**Bio accumulative potential:** Material does not bioaccumulate

## SECTION 13 - DISPOSAL CONSIDERATIONS

**Waste Disposal:** Dispose of in accordance with Federal, State, and local regulations

## SECTION 14 - TRANSPORT INFORMATION

**DOT Proper Shipping Name:** Tetrasodium EDTA

**DOT Hazard Class/ Identification No.:** N/A

## SECTION 15 - REGULATORY INFORMATION

### International Inventories

Component	AICS	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	TSCA
Tetrasodium EDTA (64-02-8)	X	X	X	X	X	X	X	X

"X" Listed

#### US Federal Regulations

SARA 313

No information available

SARA 311/312 Hazard Categories

No information available

CWA (Clean Water Act)

No information available

CERCLA

No information available

#### US State Regulations

California Proposition 65

No information available

U.S. State Right-to-Know Regulations

No information available

## SECTION 16 - OTHER INFORMATION

**References:** Not available

**Created:** 05/22/2018

**Last Updated:** 08/25/20

### **Key to abbreviations and acronyms used in the safety data sheet**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

### **Disclaimer**

This MSDS has been prepared according to OSHA Hazard Communication Standard [29 CFR 1910.1200]. The information is based on sources believed to be reliable. Notwithstanding, data, safety standards and government regulations are subject to changes that are beyond the scope of our control. As such, Clarke Minerals LLC makes no warranty, either expressed or implied, with regards to the completeness or future accuracy of the information contained herein. Similarly, Clarke Minerals LLC disclaims all liability for reliance thereon. Furthermore, additional information may be necessary for specific conditions and circumstances. It is therefore the responsibility of the user to determine the suitability of this product and determine the appropriate precautions for protection of their employees.

----- End of Safety Data Sheet -----